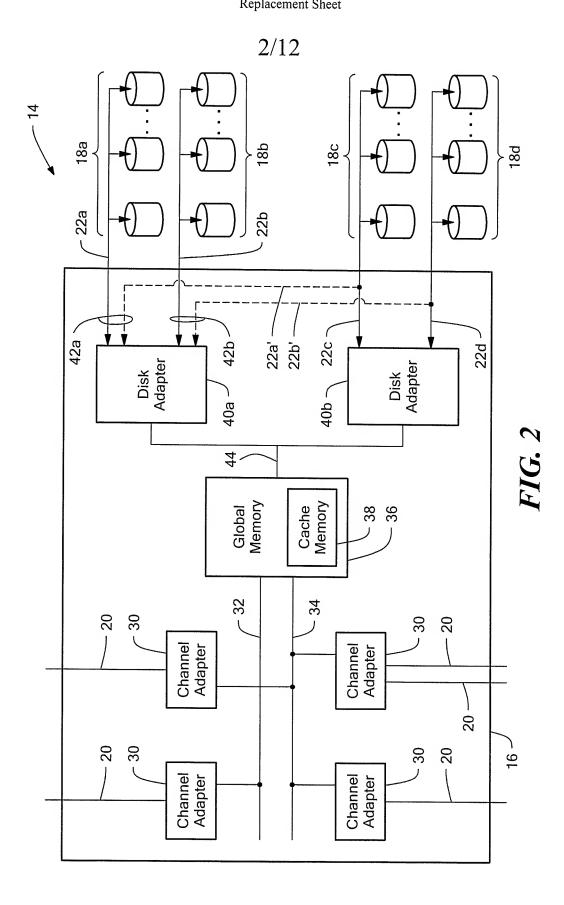


FIG. 1



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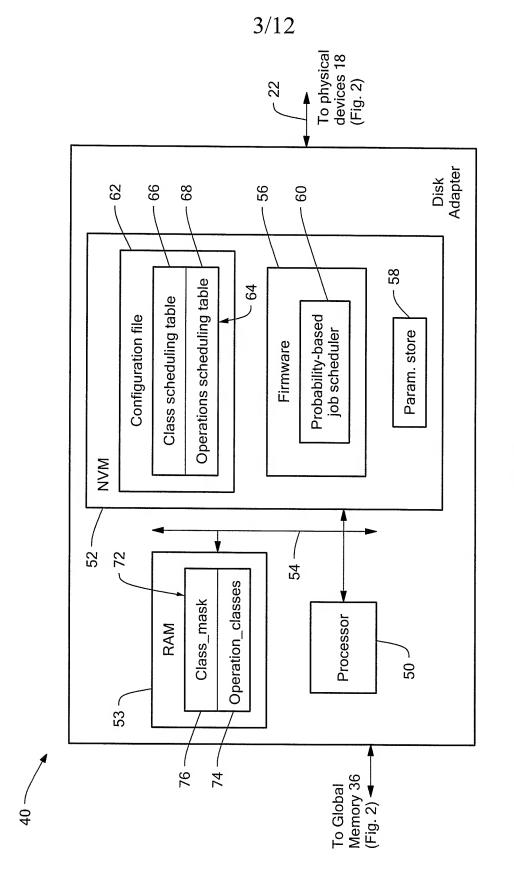
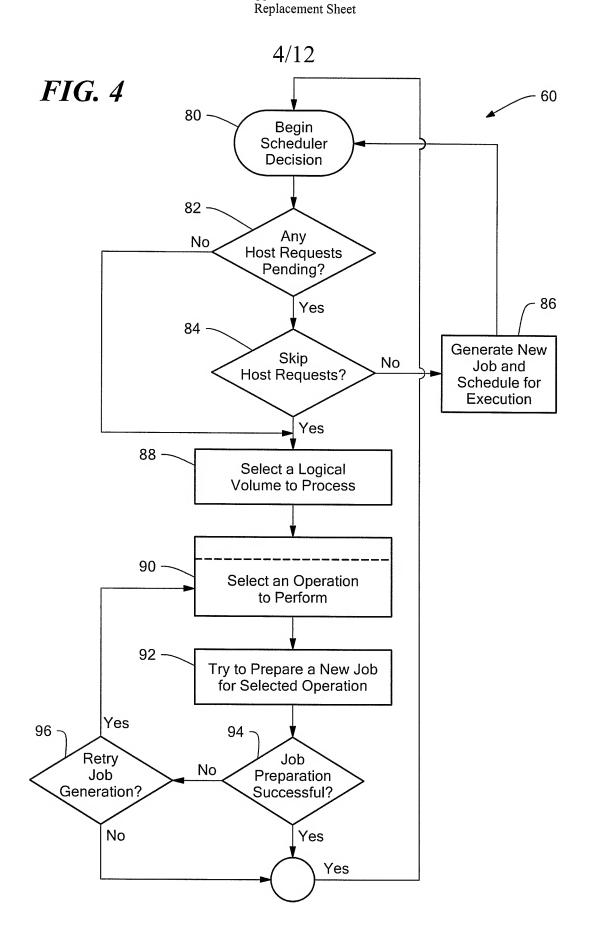


FIG. 3



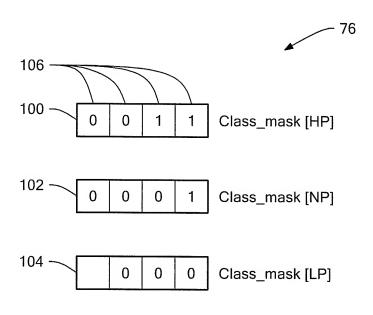


FIG. 5

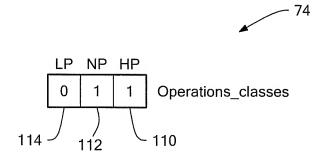


FIG. 6

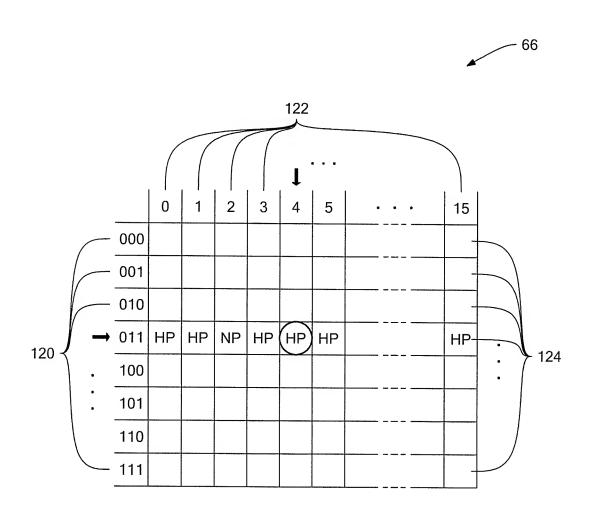


FIG. 7

OPERATION PRIORITIZATION AND SELECTION IN A PROBABILITY-BASED JOB SCHEDULER
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Classes Pending	Percentages
None	100% None
HP	100% HP
NP	100% NP
HP and NP	80% HP, 20% NP
LP	100% LP
HP and LP	95% HP, 5% LP
NP and LP	75% NP, 25% LP
HP, NP and LP	75% HP, 20% NP, 5% LP

FIG. 8

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				\leq	\supset	7		-											
89 /	134		15	None	Writ	Copy	Copy	Scan	Writ	Copy	Writ	Loct	Writ	Loct	Loct	Loct	Loct	Copy	Loct -
1			4	None	Writ	Copy	Writ	Scan	Writ	Copy	Copy	Loct	Writ	Loct	Writ	Loct	Writ	Loct	Copy
			13	None	Writ	Copy	Copy	Scan	Scan	Scan	Writ	Loct	Writ	Loct	Loct	Loct	Loct	Copy	Writ
			12	None	Writ	Copy	Writ	Scan	Writ	Copy	Copy	Loct	Writ	Loct	Writ	Loct	Writ	Loct	Loct
				None	Writ	Copy	Copy	Scan	Writ	Copy	Writ	Loct	Loct	Copy	Copy	Scan	Scan	Scan	Copy
			10	None	Writ	Copy	Writ	Scan	Scan	Scan	Copy	Loct	Writ	Loct	Writ	Loct	Writ	Loct	Writ
			6	None	Writ	Copy	Copy	Scan	Writ	Copy	Writ	Loct	Writ	Loct	Loct	Loct	Loct	Copy	Loct
			8	None	Writ	Copy	Writ	Scan	Writ	Copy	Scan	Loct	Writ	Loct	Writ	Loct	Writ	Loct	Scan
		•	7	None	Writ	Copy	Copy	Scan	Writ	Copy	Copy	Loct	Loct	Copy	Copy	Scan	Scan	Scan	Copy
			9	None	Writ	Copy	Writ	Scan	Writ	Copy	Writ	Loct	Writ	Loct	Writ	Loct	Writ	Loct	Writ
			5	None	Writ	Copy	Copy	Scan	Scan	Scan	Copy	Loct	Writ	Loct	Loct	Loct	Loct	Copy	Loct
	132		4	None	Writ	Copy	Writ	Scan	Writ	Copy	Writ	Loct	Writ	Loct	Writ	Loct	Writ	Loct	Copy
	7		က	None	Writ	Copy	Copy	Scan	Writ	Copy	Copy	Loct	Loct	Copy	Copy	Scan	Scan	Scan	Writ
		→	2	None	Writ					Scan								Loct	Loct
			-	None	Writ	Copy	Copy	Scan	Writ	Copy	Copy	Loct	Writ	Loct	Loct	Loct	Loct	Copy	Copy
			0	None	Writ	Copy	Writ	Scan	Writ	Copy	Writ	Loct	Writ	Loct	Writ	Loct	Writ	Loct	Writ
	130			90 J	J 61	02	03	. 04	. 05	90.	07	08	60	10	=	12	13	14	ر 15

FIG. 9

Operations Pending	Percentages
None	100% None
Writes	100% Writes
Copies	100% Copies
Writes and Copies	50% Writes, 50% Copies
Scans	100% Scans
Writes and Scans	75% Writes, 25% Scans
Copies and Scans	75% Copies, 25% Scans
Writes, Copies and Scans	45% Writes, 45% Copies, 10% Scans
Locates	100% Locates
Locates and Writes	80% Writes, 20% Locates
Locates and Copies	80% Locates, 20% Copies
Locates, Writes and Copies	50% Writes, 30% Locates, 20% Copies
Locates and Scans	80% Locates, 20% Scans
Locates, Writes and Scans	50% Writes, 30% Locates, 20% Scans
Locates, Copies and Scans	50% Locates, 30% Copies, 20% Scans
Locates, Writes, Copies and Scans	30% Locates, 30% Writes, 30% Copies, 10% Scans

FIG. 10

OPERATION PRIORITIZATION AND SELECTION IN A PROBABILITY-BASED JOB SCHEDULER
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Replacement Sheet

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Classes Pending	Percentages
None	100% None
Scrub	100% Scrub
Task5	100% Task5
Scrub and Task5	80% Task5, 20% Scrub
Scan	100% Scan
Scrub and Scan	80% Scan, 20% Scrub
Scan and Task5	50% Scan, 50% Task5
Scrub, Task5 and Scan	10% Scrub, 45% Task5, 45% Scan

FIG. 11

Operations Pending	Percentages
None	100% None
Writes	100% Writes
Copies	100% Copies
Writes and Copies	50% Writes, 50% Copies
Scans	100% Scans
Writes and Scans	75% Writes, 25% Copies
Copies and Scans	75% Copies, 25% Scans
Writes, Copies and Scans	45% Writes, 45% Copies, 10% Scans
Prefetches	100% Prefetches
Prefetches and Writes	20 % Writes, 80% Prefetches
Prefetches and Copies	80% Prefetches, 20% Copies
Prefetches, Writes and Copies	30% Writes, 50% Prefetches, 20% Copies
Prefetches and Scans	80% Prefetches, 20% Scans
Prefetches, Writes and Scans	30% Writes, 50% Prefetches, 20% Scans
Prefetches, Copies and Scans	50% Prefetches, 30% Copies, 20% Scans
Prefetches, Writes, Copies and Scans	40% Prefetches, 25% Writes, 25% Copies, 10% Scans
RAID-S	100% RAID-S
RAID-S, Writes	50% RAID-S, 50% Writes
RAID-S, Copies	50% RAID-S, 50% Copies
RAID-S, Writes and Copies	34% RAID-S, 33% Writes, 33% Copies
RAID-S, Scans	80% RAID-S, 20% Scans
RAID-S, Writes and Scans	40% RAID-S, 40% Writes, 20% Scans
RAID-S, Copies and Scans	40% RAID-S, 40% Copies, 20% Scans
RAID-S, Writes, Copies and Scans	30% RAID-S, 30% Writes, 30% Copies, 10% Scans
RAID-S, Prefetches	40% RAID-S, 60% Prefetches
RAID-S, Prefetches and Writes	25% RAID-S, 25% Writes, 50% Prefetches
RAID-S, Prefetches and Copies	25% RAID-S, 50% Prefetches, 25% Copies
RAID-S, Prefetches, Writes and Copies	20% RAID-S, 20% Writes, 40% Prefetches, 20% Copies
RAID-S, Prefetches and Scans	30% RAID-S, 50% Prefetches, 20% Scans
RAID-S, Prefetches, Writes and Scans	25% RAID-S, 25% Writes, 40% Prefetches, 10% Scans
RAID-S, Prefetches, Copies and Scans	25% RAID-S, 40% Prefetches, 25% Copies, 10% Scans
RAID-S, Prefetches, Writes, Copies and Scans	20% RAID-S, 30% Prefetches, 20% Writes, 20% Copies, 10% Scans



